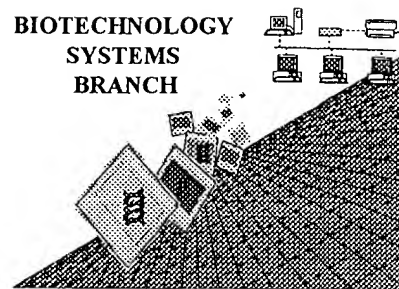


Siem

# RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/285,306

Art Unit / Team No. : 1653

Date Processed by STIC: 8/26/99

**THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.**

**PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:**

**1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,**

**2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY**

**THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.**

**IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:**

**MARK SPENCER 703-308-4212**

**BEST AVAILABLE COPY**

# Raw Sequence Listing Error Summary

## ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER:

09/285,306

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ **Wrapped Nucleics**      The number/text at the end of each line "wrapped" down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 ☐ **Wrapped Aminos**      The amino acid number/text at the end of each line "wrapped " down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 ☐ **Incorrect Line Length**      The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 ☐ **Misaligned Amino Acid Numbering**      The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 ☐ **Non-ASCII**      This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.  
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 ☐ **Variable Length**      Sequence(s) ☐ contain n's or Xaa's which represented more than one residue.  
As per the rules, each n or Xaa can only represent a single residue.  
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.
- 7 ☐ **PatentIn ver. 2.0 "bug"**      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) ☐. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence.
- 8 ☐ **Skipped Sequences (OLD RULES)**      Sequence(s) ☐ missing. If intentional, please use the following format for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X:  
(I) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")  
(XI) SEQUENCE DESCRIPTION:SEQ ID NO:X:  
This sequence is intentionally skipped  
  
Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 ☐ **Skipped Sequences (NEW RULES)**      Sequence(s) ☐ missing. If intentional, please use the following format for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000
- 10 ☒ **Use of n's or Xaa's (NEW RULES)**      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 ☐ **Use of <213>Organism (NEW RULES)**      Sequence(s) ☐ are missing this mandatory field or its response.
- 12 ☐ **Use of <220>Feature (NEW RULES)**      Sequence(s) ☐ are missing the <220>Feature and associated headings.  
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"  
Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32)      (Sec. 1.823 of new Rules)
- 13 ☐ **PatentIn ver. 2.0 "bug"**      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).  
Instead, please use "File Manager" or any other means to copy file to floppy disk.

PAGE: 1

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/285,306

DATE: 08/26/1999  
TIME: 10:42:50

Input Set: I285306.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

Does Not Comply  
Corrected Diskette Needed

see  
pp. 5, 2, 4

```

1  <110> APPLICANT: Gingeras, Thomas
2      Drenkow, Jorg
3      Affymetrix, Inc.
4  <120> TITLE OF INVENTION: Mycobacterial rpoB Sequences
5  <130> FILE REFERENCE: 018547-018570US
6  <140> CURRENT APPLICATION NUMBER: US/09/285,306
7  <141> CURRENT FILING DATE: 1999-04-02
8  <150> EARLIER APPLICATION NUMBER: US 60/080,616
9  <151> EARLIER FILING DATE: 1998-04-03
10 <160> NUMBER OF SEQ ID NOS: 181
11 <170> SOFTWARE: FastSEQ for Windows Version 3.0
12 <210> SEQ ID NO 1
13 <211> LENGTH: 705
14 <212> TYPE: DNA
15 <213> ORGANISM: Mycobacterium tuberculosis
16 <400> SEQUENCE: 1
17      cccaggacgt ggaggcgatc acaccgcaga cgttgatcaa catccggccg gtggtcgccc      60
18      cgatcaagga gttcttcggc accagccagc tgagccaatt catggaccag aacaaccgcg      120
19      tgtcgggggt gaccacaag cgccgactgt cggcgctggg gcccggcggt ctgtcacgtg      180
20      agcgtgccgg gctggaggtc cgcgacgtgc acccgtcgca ctacggccgg atgtgcccga      240
21      tcgaaacccc tgagggggccc aacatcggtc tgatcggctc gctgtcggtg tacgcgcggg      300
22      tcaaccggtt cgggttcacg gaaacgcggt accgcaaggt ggtcgacggc gtggttagcg      360
23      acgagatcgt gtacctgacc gccgacgagg aggaccgcca cgtggtggca caggccaatt      420
24      cgccgatcga tgcggacggt cgcttcgtcg agccgcgcgt gctggtccgc cgcaaggcgg      480
25      gcgaggtgga gtacgtgccc tcgtctgagg tggactacat ggacgtctcg ccccgcgaga      540
26      tgggtgcggt ggccaccgcg atgattccct tcctggagca cgacgacgcc aaccgtgccc      600
27      tcatgggggc aaacatgcag cgccaggcgg tgccgctggt ccgtagcgag gcccgcgtgg      660
28      tgggcaccgg gatggagctg cgcgcggcga tcgacgcggc gacgt      705
29 <210> SEQ ID NO 2
30 <211> LENGTH: 626
31 <212> TYPE: DNA
32 <213> ORGANISM: Mycobacterium abscessus
33 <400> SEQUENCE: 2
34      tccgtcccgt cgtggcgggc atcaaggagt tcttcggaac cagccagctg tcgcagttca      60
35      tggaccagaa caaccgctg tcgggctga cccacaagcg tcgtctgtcg gcgctggggc      120
36      ccggtggtct gaccctgac cgcgccggcc tcgaggtccg cgacgtgcac ccctcgact      180
37      acggccgcat gtgcccgatc gagaccccg aaggcccgaa catcggcctg atcggtcgcg      240
38      tgtcgtgta cgcgcgggtc aaccgcttcg gtttcacga gacgccttac cggaaggctc      300
39      cggacggagt tgtcaccgac gacatccact acctgacggc cgacgaagag gaccgccacg      360
40      tgggtggcga ggccaactcg cccgtggacg ccaacggccg cttcaccgag gagaagatcc      420
41      tggttcgccg caagggcggc gaggtggagt tcgtgtcggc gaccgaggtc gactacatgg      480
42      atgtctcgcc gcgccagatg gtgtcggtcg cgaccgccat gatcccgttc ctcgagcacg      540
43      acgacgcaa ccggtgccctc atgggtgcca acatgcagcg ccaggcggtt ccgctggtgc      600
44      gtagcgaggc tccgctggtc ggtacc      626

```

PAGE: 2

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/285,306

DATE: 08/26/1999  
TIME: 10:42:50

Input Set: I285306.RAW

45 <210> SEQ ID NO 3  
46 <211> LENGTH: 705  
47 <212> TYPE: DNA  
48 <213> ORGANISM: Mycobacterium avium  
49 <400> SEQUENCE: 3

50	cccaggacgt	ggaggcgatc	acaccgcaga	ccctgatcaa	catccgtccc	gtcgtggcgg	60
51	cgatcaagga	gttcttcggc	accagccagc	tgtcccagtt	catggaccag	aacaaccgcg	120
52	tgtcggggct	caccacaag	cgccgcctgt	cgccgctggg	cccgggtggg	ctgtcccggg	180
53	agcggggccg	gctggaggtc	cgcgacgtgc	accgtccca	ctacggccgg	atgtgcccga	240
54	tcgagacccc	ggagggtccc	aacatcggtc	tgatcggtc	gctgtcggtg	tacgcgcggg	300
55	tcaaccggtt	cggtttcatc	gagacgccgt	accgcaaggt	ggtcgacggc	gtggtcaccg	360
56	acgagatcca	ctacctgacc	gccgacgagg	aggaccgcca	cgtggtggcg	caggccaact	420
57	cgccgatcga	cggaagggc	cggttcgcgg	aggcccggtt	gctggtccgc	cgcaaggcgg	480
W--> 58	gcgaggtcga	gtacgtgccc	tcgtccgagg	tggactacat	ggacgtgtcg	ccgcgccara	540
59	tggtgtcggt	ggccaccgcg	atgatcccgt	tcctcgagca	cgacgacgcc	aaccgtgccc	600
W--> 60	tgatggggcg	caacatgcak	cgccaggcgg	ttccgctggt	gcgacgcgag	gcgccgctgg	660
61	tgggcaccgg	catggagctg	cgccggcgga	tcgacgcggc	gacgt		705

62 <210> SEQ ID NO 4  
63 <211> LENGTH: 705  
64 <212> TYPE: DNA  
65 <213> ORGANISM: Mycobacterium avium  
66 <400> SEQUENCE: 4

67	cccaggacgt	ggaggcgatc	acaccgcaga	ccctgatcaa	catccgtcca	gtcgtggcgg	60
68	cgatcaagga	gttcttcggc	accagccagc	tgtcccagtt	catggaccag	aacaaccgcg	120
69	tgtcggggct	caccacaag	cgccgcctgt	cgccgctggg	cccgggtggg	ctgtcccggg	180
70	agcggggccg	gctggaggtc	cgcgacgtgc	accgtccca	ctacggccgg	atgtgcccga	240
71	tcgagacccc	ggagggtccc	aacatcggtc	tgatcggtc	gctgtcggtg	tatgcgcggg	300
72	tcaaccggtt	cggtttcatc	gagacgccgt	accgcaaggt	ggtcgacggc	gtggtcaccg	360
73	acgagatcca	ctacctgacc	gccgacgagg	aggaccgcca	cgtggtggcg	caggccaact	420
74	cgccgatcga	cgacaagggc	cggttcgcgg	aggcccggtt	gctggtccgc	cgcaaggcgg	480
75	gcgaggtcga	gtacgtgccc	tcgtccgagg	tggactacat	ggacgtgtcg	ccgcgccaga	540
76	tggtgtcggt	ggccaccgcg	atgatcccgt	tcctcgagca	cgacgacgcc	aaccgtgccc	600
77	tgatggggcg	caacatgcag	cgccaggcgg	ttccgctggt	gcgacgcgag	gcgccgctgg	660
78	tgggcaccgg	catggagctg	cgccggcgga	tcgacgcggc	gacgt		705

79 <210> SEQ ID NO 5  
80 <211> LENGTH: 705  
81 <212> TYPE: DNA  
82 <213> ORGANISM: Mycobacterium avium  
83 <400> SEQUENCE: 5

84	cccaggacgt	ggaggcgatc	acaccgcaga	ccctgatcaa	catccgtcca	gtcgtggcgg	60
85	cgatcaagga	gttcttcggc	accagccagc	tgtcccagtt	catggaccag	aacaaccgcg	120
86	tgtcggggct	caccacaag	cgccgcctgt	cgccgctggg	cccgggtggg	ctgtcccggg	180
87	agcggggccg	gctggaggtc	cgcgacgtgc	accgtccca	ctacggccgg	atgtgcccga	240
88	tcgagacccc	ggagggtccc	aacatcggtc	tgatcggtc	gctgtcggtg	tatgcgcggg	300
89	tcaaccggtt	cggtttcatc	gagacgccgt	accgcaaggt	ggtcgacggc	gtggtcaccg	360
90	acgagatcca	ctacctgacc	gccgacgagg	aggaccgcca	cgtggtggcg	caggccaact	420
91	cgccgatcga	cgacaagggc	cggttcgcgg	aggcccggtt	gctggtccgc	cgcaaggcgg	480
92	gcgaggtcga	gtacgtgccc	tcgtccgagg	tggactacat	ggacgtgtcg	ccgcgccaga	540
93	tggtgtcggt	ggccaccgcg	atgatcccgt	tcctcgagca	cgacgacgcc	aaccgtgccc	600
94	tgatggggcg	caacatgcag	cgccaggcgg	ttccgctggt	gcgacgcgag	gcgccgctgg	660

*All  
these 10  
are even  
summary  
sheet*

PAGE: 3

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/285,306

DATE: 08/26/1999  
TIME: 10:42:50

Input Set: I285306.RAW

```

95      tgggcaccgg catggagctg cgcgcggcga tcgacgcggc gacgt          705
96  <210> SEQ ID NO 6
97  <211> LENGTH: 705
98  <212> TYPE: DNA
99  <213> ORGANISM: Mycobacterium avium
100 <400> SEQUENCE: 6
101      cccaggacgt ggaggcgatc acaccgcaga ccctgatcaa catccgtcca gtcgtggcgg          60
102      cgatcaagga gttcttcggc accagccagc tgtcccagtt catggaccag aacaaccgcg          120
103      tgtcggggct caccacaag cgcgcctgt cggcgtggg cccgggtggg ctgtcccggg          180
104      agcgggccgg gctggaggtc cgcgacgtgc acccgcccc ctacggccgg atgtgccga          240
105      tcgagacccc ggagggtccc aacatcggtc tgatcggctc gctgtcggtg tatgcgcggg          300
106      tcaaccggtt cgggttcacg gagacgccgt accgcaaggt ggtcgacggc gtggtcaccg          360
107      acgagatcca ctacctgacc gccgacgagg aggaccgcca cgtggtggcg caggccaact          420
108      cgccgatcga cgacaagggc cggttcgcgg agggccgggt gctggtccgc cgcaaggcgg          480
109      gcgaggtcga gtacgtgcc tctccgagg tggactacat ggacgtgtcg ccgcgccaga          540
110      tgggtgtcggg ggccaccgcg atgatcccg ttctcgagca cgacgacgcc aaccgtgccc          600
111      tgatgggcgc caacatgcag cgcaggcgg ttccgctggg gcgcagcgag gcgccgctgg          660
112      tgggcaccgg catggagctg cgcgcggcga tcgacgcggc gacgt          705
113 <210> SEQ ID NO 7
114 <211> LENGTH: 705
115 <212> TYPE: DNA
116 <213> ORGANISM: Mycobacterium avium
117 <400> SEQUENCE: 7
118      cccaggacgt ggaggcgatc acaccgcaga ccctgatcaa catccgtcca gtcgtggcgg          60
119      cgatcaagga gttcttcggc accagccagc tgtcccagtt catggaccag aacaaccgcg          120
120      tgtcggggct caccacaag cgcgcctgt cggcgtggg cccgggtggg ctgtcccggg          180
121      agcgggccgg gctggaggtc cgcgacgtgc acccgcccc ctacggccgg atgtgccga          240
122      tcgagacccc ggagggtccc aacatcggtc tgatcggctc gctgtcggtg tatgcgcggg          300
123      tcaaccggtt cgggttcacg gagacgccgt accgcaaggt ggtcgacggc gtggtcaccg          360
124      acgagatcca ctacctgacc gccgacgagg aggaccgcca cgtggtggcg caggccaact          420
125      cgccgatcga cgacaagggc cggttcgcgg agggccgggt gctggtccgc cgcaaggcgg          480
126      gcgaggtcga gtacgtgcc tctccgagg tggactacat ggacgtgtcg ccgcgccaga          540
127      tgggtgtcggg ggccaccgcg atgatcccg ttctcgagca cgacgacgcc aaccgtgccc          600
128      tgatgggcgc caacatgcag cgcaggcgg ttccgctggg gcgcagcgag gcgccgctgg          660
129      tgggcaccgg catggagctg cgcgcggcga tcgacgcggc gacgt          705
130 <210> SEQ ID NO 8
131 <211> LENGTH: 705
132 <212> TYPE: DNA
133 <213> ORGANISM: Mycobacterium avium
134 <400> SEQUENCE: 8
135      cccaggacgt ggaggcgatc acaccgcaga ccctgatcaa catccgtcca gtcgtggcgg          60
136      cgatcaagga gttcttcggc accagccagc tgtcccagtt catggaccag aacaaccgcg          120
137      tgtcggggct caccacaag cgcgcctgt cggcgtggg cccgggtggg ctgtcccggg          180
138      agcgggccgg gctggaggtc cgcgacgtgc acccgcccc ctacggccgg atgtgccga          240
139      tcgagacccc ggagggtccc aacatcggtc tgatcggctc gctgtcggtg tatgcgcggg          300
140      tcaaccggtt cgggttcacg gagacgccgt accgcaaggt ggtcgacggc gtggtcaccg          360
141      acgagatcca ctacctgacc gccgacgagg aggaccgcca cgtggtggcg caggccaact          420
142      cgccgatcga cgacaagggc cggttcgcgg agggccgggt gctggtccgc cgcaaggcgg          480
143      gcgaggtcga gtacgtgcc tctccgagg tggactacat ggacgtgtcg ccgcgccaga          540
144      tgggtgtcggg ggccaccgcg atgatcccg ttctcgagca cgacgacgcc aaccgtgccc          600

```

PAGE: 4

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/285,306

DATE: 08/26/1999  
TIME: 10:42:50

Input Set: I285306.RAW

```

145      tgatggggcg caacatgcag cgccaggcgg ttccgctggt ggcagcgag ggcgcgtgg 660
146      tgggcaccgg catggagctg cgcgcggcga tcgacgcggc gacgt 705
147 <210> SEQ ID NO 9
148 <211> LENGTH: 705
149 <212> TYPE: DNA
150 <213> ORGANISM: Mycobacterium avium
151 <400> SEQUENCE: 9
152      cccaggacgt ggaggcgatc acaccgcaga ccctgatcaa catccgtcca gtcgtggcgg 60
153      cgatcaagga gttcttcggc accagccagc tgtcccagtt catggaccag aacaaccgc 120
154      tgtcggggct caccacaag cgcgcctgt cggcgtggg ccgggtggg ctgtcccgg 180
155      agcggggcgg gctggaggtc cgcgacgtgc acccgcccc ctacggccgg atgtgccga 240
156      tcgagacccc ggagggtccc aacatcggtc tgatcggctc gctgtcggtg tatgcgggg 300
157      tcaaccggtt cgggttcacg gagacgccgt accgcaaggt ggtcgacggc gtggtcaccg 360
158      acgagatcca ctacctgacc gccgacgagg aggaccgcca cgtggtggcg caggccaact 420
159      cgccgatcga cgacaagggc cggttcgagg agggccgggt gctggtccgc cgcaaggcgg 480
160      gcgaggtcga gtacgtgccc tcgtccgagg tggactacat ggacgtgtcg ccgcgccaga 540
161      tgggtgtcgg ggccaccgag atgatcccgt tcctcgagca cgacgacgcc aaccgtgccc 600
162      tgatggggcg caacatgcag cgccaggcgg ttccgctggt ggcagcgag ggcgcgtgg 660
163      tgggcaccgg catggagctg cgcgcggcga tcgacgcggc gacgt 705
164 <210> SEQ ID NO 10
165 <211> LENGTH: 705
166 <212> TYPE: DNA
167 <213> ORGANISM: Mycobacterium avium
168 <400> SEQUENCE: 10
169      cccaggacgt ggaggcgatc acaccgcaga ccctgatcaa catccgtccr gtcgtggcgg 60
170      cgatcaagga gttcttcggc accagccagc tgtcccagtt catggaccag aacaaccgc 120
171      tgtcgggtct gaccacaag cgcgcctgt cggcgtggg ccgggtggg ctgtcccgg 180
172      agcggggcgg cctggaggtc cgtgacgtgc acccgccsca ctacggccgg atgtgccga 240
173      tcgagacccc ggagggtccc aacatcggtc tgatcggctc gctgtcggtg taygcgggg 300
174      tsaaccggtt cgggttcacg gagaccccgt accgcaaggt ggtcgacggg gtggtcaccg 360
175      acgagatcca ctacctgacc gccgacgagg aggaccgcca cgtsgtggcg caggccaact 420
176      cgccgatcga cgacaagggc cggttcgagg agkcccgggt gctggtccgc cgcaaggcgg 480
177      gcgaggtcga gtacgtgccc tcgtccgagg tggactacat ggacgtgtcg ccgcgccaga 540
178      tgggtgtcgg ggccaccgag atgatcccgt tcctcgagca cgacgacgcc aaccgtgccc 600
179      tgatggggcg caacatgcag cgccaggcgg ttccgctggt ggcagcgag ggcgcgtgg 660
180      tgggcaccgg catggagctg cgcgcggcga tcgacgcggc gacgt 705
181 <210> SEQ ID NO 11
182 <211> LENGTH: 705
183 <212> TYPE: DNA
184 <213> ORGANISM: Mycobacterium avium
185 <400> SEQUENCE: 11
186      cccaggacgt ggaggcgatc acaccgcaga ccctgatcaa cntccgtccc gtcgtggcgg 60
187      cgatcaagga gttcttcggc accagccagt tgtcccagtt catggaccag aacaaccgc 120
188      tgtcggggct caccacaag cgcgcctgt cggcgtggg ccgggtggg ctgtcccgg 180
189      agcggggcgg gctggaggtc cgcgacgtgc acccgcccc ctacggccgg atgtgccga 240
190      tcgagacccc ggagggtccc aacatcggtc tgatcggctc gctgtcggtg tacgcgggg 300
191      tgaaccggtt cggcttcacg gagacgccgt accgcaaggt ggtcgacggc gtggtcaccg 360
192      acgagatcca ctacctgacc gccgacgagg aggaccgcca cgtggtggcg caggccaact 420
193      cgccgatcga cgacaagggc cggttcgccg agggccgggt gctggtccgc cgcaaggcgg 480
194      gcgaggtcga gtacgtgccc tcgtccgagg tggactacat ggacgtgtcg ccgcgccaga 540

```

W--&gt;

num 10

PAGE: 5

# RAW SEQUENCE LISTING PATENT APPLICATION US/09/285,306

DATE: 08/26/1999  
TIME: 10:42:50

Input Set: I285306.RAW

W--> 195 - 10 tgggtgtcggt ggccaccgcg atgatcccgt tcctcgagca cgacgacgcc aaccgtgccc 600  
 196 tgatgggccc caacatgcag cgccaggcgg ttccgctggt gcgcagcgag gcgccgctgg 660  
 197 tgggcaccgg catggagctg cgcgcggcga tngacgcggc gacgt 705  
 198 <210> SEQ ID NO 12  
 199 <211> LENGTH: 705  
 200 <212> TYPE: DNA  
 201 <213> ORGANISM: Mycobacterium avium  
 202 <400> SEQUENCE: 12  
 203 cccaggacgt ggaggcgatc acaccgcaga ccctgatcaa catccgtcca gtcgtggcgg 60  
 204 cgatcaagga gttcttcggc accagccagc tgtcccagtt catggaccag aacaaccgcg 120  
 205 tgtcggggct caccacaag cgcgcctgt cggcgtggg cccgggtggt ctgtcccggg 180  
 206 agcgggcccg gctggaggtc cgcgacgtgc acccgtccca ctacggccgg atgtgccga 240  
 207 tcgagacccc ggagggtccc aacatcggtc tgatcggctc gctgtcggtg tatgcgcggg 300  
 208 tcaaccggtt cgggttcacg gagacgccgt accgcaaggt ggtcgacggc gtggtcaccg 360  
 209 acgagatcca ctacctgacc gccgacgagg aggaccgcca cgtggtggcg caggccaact 420  
 210 cgccgatcga cgacaagggc cggttcgcgg aggcccggtt gctggtccgc cgcaaggcgg 480  
 211 gcgaggtcga gtacgtgccc tcgtccgagg tggactacat ggacgtgtcg ccgcgccaga 540  
 212 tgggtgtcggt ggccaccgcg atgatcccgt tcctcgagca cgacgacgcc aaccgtgccc 600  
 213 tgatgggccc caacatgcag cgccaggcgg ttccgctggt gcgcagcgag gcgccgctgg 660  
 214 tgggcaccgg catggagctg cgcgcggcga tcgacgcggc gacgt 705  
 215 <210> SEQ ID NO 13  
 216 <211> LENGTH: 705  
 217 <212> TYPE: DNA  
 218 <213> ORGANISM: Mycobacterium avium  
 219 <400> SEQUENCE: 13  
 220 cccaggacgt ggaggcgatc acaccgcaga ccctgatcaa catccgtcca gtcgtggcgg 60  
 221 cgatcaagga gttcttcggc accagccagc tgtcccagtt catggaccag aacaaccgcg 120  
 222 tgtcggggct caccacaag cgcgcctgt cggcgtggg cccgggtggt ctgtcccggg 180  
 223 agcgggcccg gctggaggtc cgcgacgtgc acccgtccca ctacggccgg atgtgccga 240  
 224 tcgagacccc ggagggtccc aacatcggtc tgatcggctc gctgtcggtg tatgcgcggg 300  
 225 tcaaccggtt cgggttcacg gagacgccgt accgcaaggt ggtcgacggc gtggtcaccg 360  
 226 acgagatcca ctacctgacc gccgacgagg aggaccgcca cgtggtggcg caggccaact 420  
 227 cgccgatcga cgacaagggc cggttcgcgg aggcccggtt gctggtccgc cgcaaggcgg 480  
 228 gcgaggtcga gtacgtgccc tcgtccgagg tggactacat ggacgtgtcg ccgcgccaga 540  
 229 tgggtgtcggt ggccaccgcg atgatcccgt tcctcgagca cgacgacgcc aaccgtgccc 600  
 230 tgatgggccc caacatgcag cgccaggcgg ttccgctggt gcgcagcgag gcgccgctgg 660  
 231 tgggcaccgg catggagctg cgcgcggcga tcgacgcggc gacgt 705  
 232 <210> SEQ ID NO 14  
 233 <211> LENGTH: 705  
 234 <212> TYPE: DNA  
 235 <213> ORGANISM: Mycobacterium avium  
 236 <400> SEQUENCE: 14  
 237 cccaggacgt ggaggcgatc acaccgcaga ccctgatcaa catccgtcca gtcgtggcgg 60  
 238 cgatcaagga gttcttcggc accagccagc tgtcccagtt catggaccag aacaaccgcg 120  
 239 tgtcggggct caccacaag cgcgcctgt cggcgtggg cccgggtggt ctgtcccggg 180  
 240 agcgggcccg gctggaggtc cgcgacgtgc acccgtccca ctacggccgg atgtgccga 240  
 241 tcgagacccc ggagggtccc aacatcggtc tgatcggctc gctgtcggtg tatgcgcggg 300  
 242 tcaaccggtt cgggttcacg gagacgccgt accgcaaggt ggtcgacggc gtggtcaccg 360  
 243 acgagatcca ctacctgacc gccgacgagg aggaccgcca cgtggtggcg caggccaact 420  
 244 cgccgatcga cgacaagggc cggttcgcgg aggcccggtt gctggtccgc cgcaaggcgg 480

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

← FYI

Input Set: I285306.RAW

Line	?	Error/Warning	Original Text
58	W	"N" or "Xaa" used: Feature required	gcgaggtcga gtacgtgccc tcgtccgagg tggactac
60	W	"N" or "Xaa" used: Feature required	tgatgggcg ccaacatgcak cgccaggcgg ttccgctg
186	W	"N" or "Xaa" used: Feature required	cccaggacgt ggaggcgatc acaccgcaga ccctgatc
197	W	"N" or "Xaa" used: Feature required	tgggcaccgg catggagctg cgcgcgggcga tngacgcg
887	W	"N" or "Xaa" used: Feature required	tcgacggtgt ggtcaccgac cagatcgact acctgacc
1101	W	"N" or "Xaa" used: Feature required	cgatcaagga gttcttcggc accagccagn tctcgag
1230	W	"N" or "Xaa" used: Feature required	tgggtaccgg catggagtgt cgcgcgggcgn tcgacgcg
1315	W	"N" or "Xaa" used: Feature required	tgggcaccgg catggagtgt cgcgcgggnga tcgacgcg
1389	W	"N" or "Xaa" used: Feature required	ggaggcgatc acaccgcaga ctctgatcaa catccggc
1390	W	"N" or "Xaa" used: Feature required	gttnttcggc accagccagc tctcgagtt catggacc
2269	W	"N" or "Xaa" used: Feature required	tccgtccngt cgtggcgggc atcaaggagt tcttcggc
2590	W	"N" or "Xaa" used: Feature required	tccgtccngt cgtggcgggc atcaaggagt tcttcgga
2651	W	"N" or "Xaa" used: Feature required	tgggtaccgg tatggagtgt cgcgcgggnga tcgacgcg
2812	W	"N" or "Xaa" used: Feature required	caccacaag cgccgcctnt cggcgctggg gccgggcg